

Method of boosting the heating in a glass melting furnace using a roof-mounted oxygen-fuel burner

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Cited documents:

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Abstract of EP1077201

In an industrial glass furnace 10 which contains recuperators, regenerators, electric boost or other devices for providing heat to glass batch material at least one oxy-fuel burner (34) mounted in the roof of the furnace provides additional heat to melt the batch material. By using such a roof-mounted oxy-fuel burner 34 heat transfer can be maximised while minimising the disturbance of the batch material. The velocity of the flame 36 produced by operation of the oxy-fuel burner 34 is kept to 30 metres per second or less near the surface.

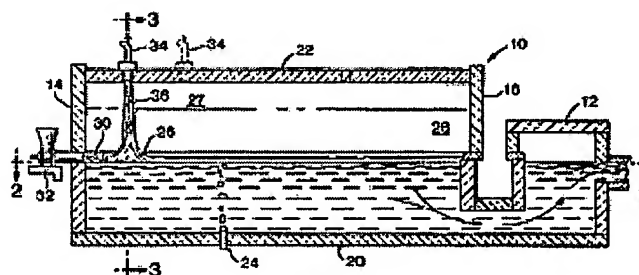


FIG. 1

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